

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: cebik@UTKVX.UTCC.UTK.EDU
Subject: [2918] 10-meter calling frequencies
Message-ID: <Pine.PMDF.3.91.950830072407.545442377E-100000@utkvx.utk.edu>

Because there is low CW activity on 10 during the present state of the sunspot cycle, 10-10 is considering calling or activity-focus frequencies in both the general and novice portions of the band.

The present QRP calling frequencies on 10, as I have them, are 28.060 and 28.110. One suggestion we are considering for 10-10 calling frequencies is to have them near but not on top of QRP calling frequencies, thus leaving each channel open but easily checked by both groups. The working suggestion is 28.065 and 28.115.

I have encountered some low-power CW 10-10ers on the new TENTEN-L (also a Lehigh.edu-Jim Eshleman service) who believe that the proximity but separation idea is a good one, perhaps even for both groups.

Before implementing this idea, even on a trial basis, I would like any feedback from 10-meter qrp operators that may be useful to assure benefits to both groups and friendly rather than frictional interactions. Since many 10-10 operators would be QRO, perhaps their signals would be useful in finding out whether 10 is open at the low end and to where. However, I do not anticipate that having 10-10 calling frequencies will turn 10 meters into the low end of 40; rather, a slight rise in activity can be expected.

Your comments can be sent direct to me, if you have any. (Silence will be interpreted as a nihil obstat [nothing objectionable].) Unless you tell me otherwise, I may forward your comments to TENTEN-L if they add to the considerations already on the table.

Thanks in advance for your thinking.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)(615) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\	(Hm) (615) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/	(FAX)(615) 974-3509
37938-4443 USA	/	\	\	\			cebik@utkvx.utk.edu
QRP/ARCI 2572	G-QRP	7203	CQC	125	NEQRP	347	NORCAL 1111 MIQRP 1432

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: Mike Connor <mikec@primenet.com>
Subject: [2928] 30m Rigs
Message-ID: <199508301648.JAA21327@mailhost.primenet.com>

Hi guys,

Wow...

Was just looking over my outbox and saw the message I sent to subscribe to the qrp list, dated Aug 10th. That was only 20 days ago. In that 20 days I have ordered, built and now used a DC receiver, wattmeter, and a 40m transceiver.

Listenin to code every night. What an interesting turn of events. You guys are contagious!

Now ready for 30m rig. Leanin hard towards SWL-30, but also wonder about the OHR Explorer. Did someone say they thought the receiver wasn't quite up to par?

Also, anyone have any experience with the new OHR 400 4 bander?

72

Mike

NQ7K

-... -.-

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: Joseph Cooper <joe@westonia.com>
Subject: [2920] A good source for Crystals
Message-ID: <m0snmbj-0010KqC@gpu.westonia.com>

This email have already got out but I want to make certain that the info is available

I read in one email that the cost for a custom crystal in California was \$40.00 U.S.

\$40.00!!!!!! for a custom crystal??? Are they using a gold case?

Ok guy's listen up, and pass this info around.

You can get excellent quality make custom Crystals here in Canada for \$14.00CND each.

That works out to \$10.00 U.S. plus shipping etc.

Call Lesmith Crystals (905) 844-4505 or fax them at (905) 844-2274.

They are located in Oakville Ontario, which is outside of Toronto. They will do any frequencies (not just HAM). They take Mastercharge and Visa.

They don't have a catalog, but they do have a description sheet that they can fax you.

They will do quantity one orders, and the person who takes the order knows what they are talking about. You can specify the type of case too.

I speak from experience as a satisfied customer.

End of commercial.

Anyway - hope this helps - and again pass the word around about them as they deserve the business.

Thanks

* Joseph Cooper:-VE3FMQ-QTH-East York-near Toronto Ontario Canada *
* Interests are:- BCB and VLF Radio-Woodworking-Steam Railroads - *
* -Nikola Tesla-Antique Radios-Crystal Radios-Travel-Burmese Cats *
* FAX (416) 423-7782 9:00pm to 5:00pm EDT Monday To Friday Only *

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: "Douglas S. Zwiebel" <0006489207@mcimail.com>
Subject: [2917] CQC fun
Message-ID: <44950829173344/0006489207PK2EM@MCIMAIL.COM>

Hi all. Just joined this reflector a short time ago. You guys sure produce a ton of "reading." :-)

Not too much about operating though, so I thought I'd add this:

Was active in the CQC party this past weekend and had a really great time. I was very surprised at the (high) level of activity. I was on 20 meters only and worked 46 qso's and 15 SPC mult's. Also worked 30 names...an INTERESTING multiplier! Managed to work 13 CQC members. My log is in the mail. What a lot of FUN!

de Doug KR2Q@mcimail.com

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: swgate3!STLMAIL7!MK2331@wuarchive.wustl.edu
Subject: [2925] For Sale: Heath 2'er, 6'er
Message-ID: <m0snol5-0000riC@swgate3>

Microsoft Mail v3.0 IPM.Microsoft Mail.Note
From: KASTIGAR, MATTHEW (MM)
Subject: For Sale: Heath 2'er, 6'er
From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: SHUSTER5647@delphi.com
Subject: [2911] KANTRONICS Rock Hound
Message-ID: <01HUNVEUHP7S9ANVIY@delphi.com>

My elmer gave me a little QRP rig he got from a now silent key. It has a 7.125000 crystal plugged in the top, an RCA jack for the antenna, and a 1/4 inch jack for a key.

It's in a black plastic case and has a serial number hand scribed on the inside: # 798-CT. Two toroids, two chokes, a pheat sinked transistor, and a morotola IC MC14069UB CL 7846.

I know I've found a treasure that collectors are going to get into a bidding war over, but before you confirm that could someone tell me about a power source and connection?

There are two holes drilled in the bottom of the case which are over one wire and a broad plate, pos and neg??

Since Kantronics is still in business, I guess I could call them, but hey, how about a trivia challenge from the history of QRP rigs.

This came with a 40 meter crystal. If I can find a 30 meter crystal can I plug and play. Something tells me not.
John Shuster KC7CKP

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: Bill Acito 30-Aug-1995 1129 <acito@asdg.UNET.dec.com>
Subject: [2926] KC1?
Message-ID: <9508301538.AA23251@us1rmc.bb.dec.com>

Anyone have a more _detailed_ description of the Wilderness KC1?

background? what drove this project? and upgrade for the

Wilderness radios?

current and voltage requirements?

Counter -

3 digits - will it handle an offset (tap from a vfo)? or with
only the last digits it won't need it?
LCD or LED? size of digits?

Keyer

1 memory?

hmmm... let's see. Take a 30-40, add RIT, add a KC1, a Super Simple
SWR indicator, an OHR SCF1A filter, a nice case from Ten-Tec...
not a bad QRP contest-grade rig. I'll let you all know how it
works out... :-)) the 'souped-up' idea thanks to Nils and Goran,
EA8YU.

b

. - I own my own words -

Bill Acito |d|i|g|i|t|a|l|
acito@asdg.enet.dec.com
Digital Equipment Corporation, Hudson, MA

kc1gs
qrp-ne 260
norcal 1147
arrl life

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: "Gary Utz" <UTZ@mis_prod.nov.mis.bnl.gov>
Subject: [2927] Kit Sources
Message-ID: <MAILQUEUE-101.950830121349.320@mis_prod.nov.mis.bnl.gov>

Hi,

Would anyone have a list of QRP related kit suppliers?

Tnx es 72, Gary (ke2yk)

Gary Utz
Technical Systems
Brookhaven National Laboratory
PO Box 5000 Bldg 459
Upton N.Y. 11973
(Phone)516-282-5903 (Fax)516-282-4445

From qrp-l@lehigh.edu Wed Aug 30 19:44:00 1995
From: "M. Limtiaco" <limtiaco@u.washington.edu>
Subject: [2931] NN1G QRP project
Message-ID: <Pine.A32.3.91j.950830104959.73978A-100000@homer27.u.washington.edu>

I just got some PC boards for the NN1G rig from FAR circuits and noticed some discrepancies from the schematic in the '95 Handbook. Are there any changes to the circuit/PC boards that I need to know about before I start construction??

73s
Matso Limtiaco N7DUB - email to: limtiaco@u.washington.edu

From qrp-l@lehigh.edu Wed Aug 30 19:44:00 1995
From: Bing WB2SXN <ADMINH10%CLVM.BITNET@CUNYVM.CUNY.EDU>
Subject: [2936] Port Antenna
Message-ID: <"omnigate.c.541:30.07.95.20.20.11"@clarkson.edu>

Re Jim WK8G's message about a quick portable ant - my buddy WA2MZF made up a real dandy vertical out of pvc pipe and a slinky that all slips together and breaks down into 3 foot pieces that he carries in a homemade bag made out of old jeans pant legs - uses it in motel rooms and he makes qrp contacts - not much else to say - it works!! - 73 de WB2SXN

From qrp-l@lehigh.edu Wed Aug 30 19:44:00 1995
From: Jim.Nestor@ey.com
Subject: [2934] portable mast ideas
Message-ID: <0014500001563783000004*@MHS>

OK, fellow QRP-L McGivers (You know, the guy who can fabricate a nuclear reactor from two cigarette butts and a candy bar),
here*s the challenge.

I am leaving (again) Friday morning for a camping trip to Western PA with my daughter and her family. Just found out today that the campground that was picked because it has lots of rides and stuff for the granddaughter has *minimal shade* in the tenting areas. To me that translates to *no trees for antennas*. Therein lies the rub.

I have only one day to fabricate some kind of vertical antenna system for 20m & 30m. As a last resort, I can use the 20m hamstick on the triple magmount on the back of the car, but that does no good for 30m.

I think I'd rather try to put up a longer vertical radiator or a single non-metallic support on which to drape some wire and use a tuner and some radials or hold the center of an inverted V.

Since I have one day only, you can rule out ordering aluminum tubing from Texax Towers or even a 30m Hamstick. That leave me with the sort of materials, like PVC which can be found at Home Depot and the like.

Any suggestions for a simple, cheap and portable mast? I can handle lengths up to about 6-8 feet strapped to the rooftop carrier. A total of 16-20 feet should be OK, either ground mounted or possibly on top of the car for another 5 feet of elevation.

Any experience with PVC masts? How high can I go with 3/4" or 1"? What about couplings to connect 2-3 pieces together? Is it worthwhile to put wooden dowels inside the PVC?

What I'd really like but have been unable to locate is some pieces of fiberglass like they use in the Hamsticks. I experimented by screwing the 4" pieces from two Hamsticks together using the 3/8-24 fittings and the resulting 8" length seemed pretty strong and stable on the mag mount. Does anybody have an idea where to find suitable pieces of fiberglass rod? I can fabricate the couplings if necessary. I'd also like some of this stuff to experiment with building a helically-wound 2 element beam and maybe a pair of phased verticals.

I'll brainstorm on the problem on the commute home tonight and maybe stop by a builder's supply in search of pieces/parts and inspiration. Any suggestions would be greatly appreciated. I don't think I can convince the XYL to stand on the roof rack and hold up the end of the wire for very long.

72,

Jim, WK8G
jim.nestor@ey.com

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: Harry_Chase@smtpgw.windata.com (Harry Chase)
Subject: [2937] portable mast ideas
Message-ID: <9507308098.AA809826448@smtpgw.windata.com>

Does anyone know of a place that can supply fiberglass poles/rods, etc, in various lengths but mostly big stuff- like 1 inch dia. and 10 to 20 feet lengths?? Someone had some of these at a flea and I didnt jump on them then... I think this is the way to go when a good insulated support is needed and old fishing poles aint nearly big enuff.

Harry
WA1VVH

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: SHUSTER5647@delphi.com
Subject: [2910] Source for crystals
Message-ID: <01HUNV9MG7FM9ANVIY@delphi.com>

None of the electronic stores here in the Seattle area have crystals. One shop had a nice selection of Amidon toroids, but no rocks.

Any reliable sources that are't going to charge me \$40 to make custom crystals like the shop in CA? Will any crystals work, or should I specify any special requirements?

Kinda like the last state for WAS.

John KC7CKP

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
Subject: [2905] W1FB's 5 w amp & the SWL-40 (HELP)
Message-ID: <29AUG95.22026820.0017.MUSIC@MARISTB.MARIST.EDU>

Can anybody help...

I have built Doug DeMaw's 5 w amp and encased it with a DPDT switch in order to bypass the amp on RX and switch it into use on TX (a T-R switch). Using a g5rv with 50 ft of coax, HM-9 watmeter and HFT-9 tuner, I cannot get the SWR down below 3:1. With a dummy load, I can get 1:1. I have re-wired, un-cased, hard wired, re-wire, doubled checked grounds, replaced the transistor, and still no luck. The case is alummium with two BNC's at the rear about 2 inches apart,

the 12 v comes in on a phone jack bewteen them.
I have doubled checked the circuit, it's fine.
Thanks ... I have very little knowledge about electronics. i built my
SWL-40 and it worked first go. I have also assembled a TNC (Ramsey) and
a SW converter - all of which worked.
Just don't know what to do next.
Fr Bowes KB2TRF

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: MSADAMS@ubvms.cc.buffalo.edu
Subject: [2921] Which Iambic Key?
Message-ID: <Pine.3.89.9508301049.A539675838-0100000@ubvms.cc.buffalo.edu>

I have been using a Speed-X straight key for 3 years and want to switch
to paddles. I tried the Jones and Bencher but not the Vibroplex or the
MFJ (Bencher Unit?). Is there much difference in these units? I am too
inexperienced to tell. What seems to be the preference of the QRP-L crowd?
I will be using the paddles with a CMOS III Superkeyer kit for both home
and portable use.

Any suggestions will be appreciated. Thanks.

72, Mark N2VPK

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: wwm@wa8tzg.mi.org (Bill Meahan)
Subject: [2906] RE: 30M Rig Problems
Message-ID: <3043ac00.wa8tzg@wa8tzg.mi.org>

Larry East writes:

>The action of the drive control and high SWR into your antenna lead me to
>believe that the final is oscillating -- and at some frequency well removed
>from 30M. Do you have access to a frequency counter and/or 'scope?
>
>72 and good luck,
>Larry W1HUE/7
>

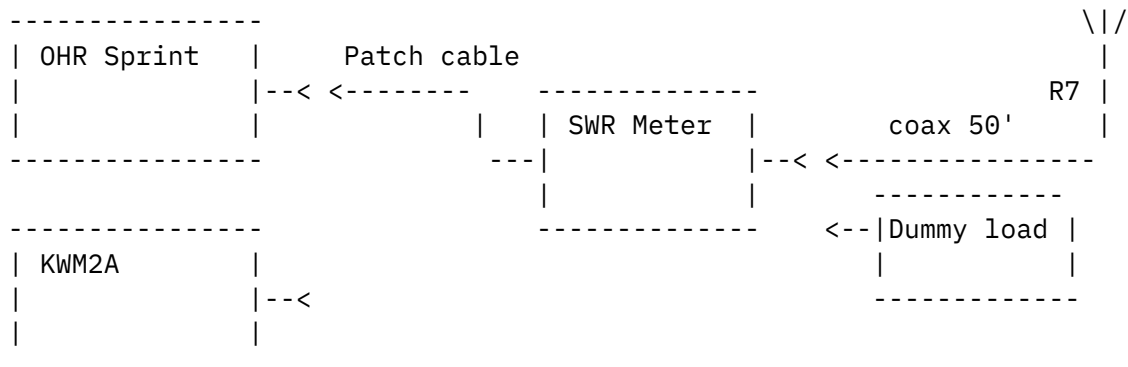
This was just one of the responses I received after I posted my little
tale of woe about my OHR Sprint (30M) tagged on as an ObQRP addendum to
a brief missive about the new Radio Shack "probe-style oscilloscope."

Most of the suggestions were related to things I've already tried or
made certain highly reasonable (but incorrect) assumptions about my

tup. Herewith some additional detail:

The R7 was newly erected over Thanksgiving Weekend 1994. All connecting points were cleaned with 600-grit emery paper, liberally treated with NoOx (on BOTH the OD of the smaller tube and the ID of the larger one, and scuffed through the NoOx layer to ensure good contact with the aluminum. By New Years, when I finished the Sprint, I noted the odd SWR behavior on my new Christmas-gift SWR meter. Despite several attempts to adjust things, I could not get the SWR down. Even using the Collins as the exciter gave >3:1 SWR readings. By later that weekend, cold weather finally made it to Southeastern Michigan and I drove up. During a February warm spell, I obtained a new 30M trap from Shcraft and replaced the suspected bad unit. Things had improved as far as the KWM2 was concerned, but still no dice on the OHR.

My setup is as follows (as best I can do ASCII art):



switch between the rigs, the rig end of the patch cable is disconnected from one rig and moved to the other. No other connections are disturbed.

Suspecting a bad final transistor, I replaced the 2N3553 with an F-237 I had on hand, being careful to use the old trick of bending the middle lead backward to the "correct" position so the E-B-C sequence matches the board (used to hot-rod old TR-2200 2M rigs for more Power, as Tim Allen would say). Since the final transistor sits on an insulated spacer, careful routing of the base lead lets everything come together nicely. No shorts. (I checked).

Unscrewing the antenna feed line and attaching the dummy load in its place, the OHR works like a champ and the SWR bridge reads 1:1.

I've sextuple-checked the continuity of the final filter, measured voltages and retouched every solder joint in the transmitter portion of the board. I've *carefully* examined the board for solder bridges or other problems numerous times. All off-board wires have been routed

for minimum possibility of unwanted feedback.

Now, if I only had a scope and a spectrum analyzer at my disposal like I did 5 years ago in a different job assignment.....

TNX ES 72!

--

Bill Meahan WA8TZG wmeahan@wa8tzg.mi.org
Member of: ARRL, IMRA, NorCal QRP (#407), G-QRP (#8468), MI-QRP (#M1458)
Hey, this is my OWN computer! I can say what I want!
cat: a purr bearing mammal

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: <CBAILEY@PAMDT.ANG.AF.MIL> (MSgt Cameron C.R. Bailey)
Subject: [2919] RE: 30M Rig Problems
Message-ID: <heH8+o+3FkA@PAMDT.ANG.AF.MIL>

Bill,

I wanted to comment earlier, however, after reading your last message, I could not pass this up.

Your KWM2A has a tunable output tank circuit. When using it, do you tune into and match the dummy load prior to switching to the antenna? Then, do you retune after you have switched to the antenna? If you need to retune, then you do not have a properly matched antenna for the 30m rig.

Your solid state rig does not have a tunable output tank. I had a FT-101 which had the tunable output tank circuit and I was able to operate without an antenna tuner. It would match anything from about 30 to 70 ohms. Your dummy load has no reactance and is purely resistive. You change a lot of variables switching from dummy load to an antenna and tuner. Your KWM2A can match into a wide range of inductive and capacitive loads.

How did you tune your antenna? By measuring SWR with the KWM2A?
Can you try another rig?

72 de kt3a

Cam Bailey
SOGNET LAN Administrator (Banyan)
211 Engineering Installation Squadron
Fort Indiantown Gap (Annville) PA
DSN: 491-8737 Comm: 717-861-8737 FAX: 8268

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: JEVERHART@cayman.vf.mmc.com
Subject: [2908] Re: 5w QRP amplifiers...
Message-ID: <950829222359.208002f8@carib.vf.mmc.com>

Jim, you wrote, concerning a 5 watt add-on amplifier:

>Ok, ok, ok, we'll have to let the Cat(hode) out of the bag. SLQS [St. Louis
>QRP Society] has just finished Phase II of the "Plug-on Amp" project.

<SNIP>

>We will have this available before the end of December [makes a great
>Hanukkah, Christmas, Druid Tree Fest, or (for Nils, especially) Smjelbordt
>gift]. More details later.

Gee, kinda makes me wish I lived in St Louis! An amplifier like this is a great addition for those of us who:

a.) have low efficiency home antennas

or

b.) Use Hamsticks with mag mounts :-)

QRP is super, and lots of fun when you have a good antenna, but some don't have the space for full wave loops and yagis. Your amp fits the bill!

Please do let the gang know when we can find out more about these pups.
(Need a beta tester?)

Last Christmas Mrs Santa gave me an Autek RF-1. A St. Louis Blue Ether Buster this December would be super!

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: N5EM@aol.com
Subject: [2912] Re: 5w QRP amplifiers...
Message-ID: <950830000022_86767139@mail02.mail.aol.com>

In a message dated 95-08-29 22:30:46 EDT, you write:

>
>b.) Use Hamsticks with mag mounts :-)
>
>

C'mon, now Joe. No one uses Hamsticks on mag mount. They blow off the car.

72
Ed

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: [2915] Re: 5w QRP amplifiers...
Message-ID: <Pine.SOL.3.91.950830003011.1388A-100000@clark.net>

On Wed, 30 Aug 1995 N5EM@aol.com wrote:

> In a message dated 95-08-29 22:30:46 EDT, you write:
> >
> >b.) Use Hamsticks with mag mounts :-)
> >
> C'mon, now Joe. No one uses Hamsticks on mag mount. They blow off the car.

The pro-am Maxi-Magnet MM-3401 should do the job. They're about \$50 from AES.

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: DAVEAF5U@aol.com
Subject: [2932] Re: Hamstick Phased Array/Yagi
Message-ID: <950830145844_67165160@emout04.mail.aol.com>

I have run a few tests on the Valor Pro-Am mobile antennas. I like Valor better than the hamstick. The Valor "hamstick" look-a-like can be disassembled and stored without losing the proper VSWR setting on the stinger.

I have taken two 40 meter fiberglass mobile Valor sticks and made a simple

dipole. The impedance was measured with a HP Network Analyzer and the match is poor at best if connected directly to 50 ohm coax. However, if a matching coil (2.5 inch diameter, #10, & about 3.5 turns) is place between the base of each antenna and the feed of the coax is across the same coil, a very low VSWR will occur. The bandwidth was measured to be about 25kHz as defined as the 1.5:1 or lower points. Maximum return loss was 25-30dB at center frequency.

I have plans to construct a two element beam on a shorten boom. I have no means to measure pattern or gain. However, I can measure the VSWR or return loss and plot the results with very good accuracy. The same measurements will be done on verticals with 1/8 wave spacing, phasing harness and base matching coils. Results will be shared.

Dave Little, AF5U Phoenix, AZ

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: JEVERHART@cayman.vf.mmc.com
Subject: [2909] RE: Hi QRP SWR on R7 vertical vs. QRO
Message-ID: <950829222903.208002f8@carib.vf.mmc.com>

Stuart, K5KVH, wrote the following in response to Bill's query about varying SWR on an R7:

<SNIP>

>As you reassemble the antenna, check that the traps are working with an Autek
>RF-1 or MFJ Antenna Analyzer. Some R7 trap failures have been reported on
>this list in the past. I have seen a wind Damaged R5 still give low QRO SWR
>with some of the upper section missing! Apparently, the bandwidth will suffer
>first; before the SWR goes all to pot.

I've observed a similar effect on my Butternut HF-6VX and concur with Stuart's remedial measures. I wrote up the phenomenon in QRP Quarterly a while ago in conjunction with using a low power antenna analyzer (MFJ-249) to test the antenna. Seems that the resonances were all wrong using the analyzer with its milliwatt output. But when my bonecrushing Argo 509 was pressed into service, resonances and SWR were ok. A recheck with the -249 also showed good readings. BUT, when the antenna had not had rf power applied for a period of (as I remember) several weeks, the -249 again showed bad readings. Cleanup of the joints and some "Butter-snot" fixed it for several months.

SO.... you can get a handle on things by using a low power antenna tester, but once you have applied power, things may change. Gotta understand the phenomenon as Stuart described it to cure it!

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [2929] Re: KC1?
Message-ID: <199508301718.KAA04748@mailhost.primenet.com>

>
>
> Anyone have a more _detailed_ description of the Wilderness KC1?
> background? what drove this project? and upgrade for the
> Wilderness radios?
>
> current and voltage requirements?
>
>
> Counter -
>
> 3 digits - will it handle an offset (tap from a vfo)? or with
> only the last digits it won't need it?
> LCD or LED? size of digits?
>
> Keyer
>
> 1 memory?

The first I saw of this was an earlier posting (which I didn't save)
by Wayne Burdick.

Probably uses 8 or 12V from one of the spare board holes on the NC40A.

Once you know what band you are on, 3 digits are all you need. No
display...CW indication, i.e. T 4 T for 7.040. I don't recall if
Bob mentioned the offset...perhaps Wayne will respond.

1 memory. Useful for storing an exchange, as long as it doesn't
require an incremented serial. Still, it's a nice little scheme.

Freq input: Hold the freq button down, key in the freq you want (last
three), then tune to find the tone. You're within 2 KHz. Nice for
rigs with no dial markings, or to chase a DX spot.

73, de Roger, AA7QY

aa7qy@primenet.com

NorCal #1099

NEQRP #383

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995

From: Richard Haynes N5QXF <rhaynes@metronet.com>

Subject: [2935] Re: KC1?

Message-ID: <Pine.HPP.3.90.950830144650.5848B-100000@fohnix.metronet.com>

>From the wilderness Radio page:

- * Iambic Keyer with both A & B modes
- * 54 bytes of message memory + macros
- * No CPU noise
- * Only 3mA @ 5V
- * Key-down command
- * Universal "displayless" frequency counter - reporting operating frequency (to 1 kHz) as 3 digits in Morse code (audio tone)
- * Search feature allows rapid location of specific frequencies
- * Works with direct conversion or superhet rigs; will count VFOs up to 10MHz using on-board RF amp and divider
- * Multi-band support: up to 4 user-programmable VFO offsets, including add or subtract modes
- * Adaptable to any QRP rig (some user-supplied parts required)

Usual - "I don't work for or own stock in" stuff.

All information is from W.R. information sheet.

72's Richard

```

  _|_                                     _|_
(____)===== (____)
|/| Richard E. Haynes ==>> rhaynes@metronet.com |/_|
|/| N5QXF * QRP-ARCI * NorCal QRP * NorTex QRP |/_|
(____)===== (____)
  V                                           V

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From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995

From: seront@seism1.ess.sunysb.edu (Bernard Seront)

Subject: [2938] Re: portable mast ideas

Message-ID: <9508302142.AA26299@seism1.ess.sunysb.edu>

At 05:15 PM 8/30/95 EDT, Harry Chase wrote:

>Does anyone know of a place that can supply fiberglass poles/rods,
>etc, in various lengths but mostly big stuff- like 1 inch dia. and 10
>to 20 feet lengths??

What about a windsurf mast?

Really strong, about 15 feet length and 2 inch max. dia. Some come in two parts.

Bernard, KB2TGH.

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995

From: Steven Wilson <randyw@crl.com>

Subject: [2939] Re: portable mast ideas

Message-ID: <Pine.SUN.3.91.950830143550.19885B-100000@crl10.crl.com>

The extension pole for paint rollers is about 15 ft long and aluminum.
It was written up in aug or sept QST. Easily portable.

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995

From: nystedt@indirect.com (John Nystedt)

Subject: [2940] Re: portable mast ideas

Message-ID: <199508302254.PAA12788@bud.indirect.com>

At 05:15 PM 8/30/95 EDT, Harry Chase wrote:

>Does anyone know of a place that can supply fiberglass poles/rods,
>etc, in various lengths but mostly big stuff- like 1 inch dia. and 10
>to 20 feet lengths?? Someone had some of these at a flea and I
>didn't jump on them then... I think this is the way to go when a good
>insulated support is needed and old fishing poles ain't nearly big
>enuff.

Harry

I got some 1"OD x 1/8(wall)x 20" not too long ago from RyanHerco it end up
at about \$30 for the tube & \$13 for UPS shipping. USp would not deliver over
10' so had them cut it down for me.

Ryan appears to be in a number of cities. If they are not in the phone book,
drop me a note and I will find the 800 number.

73s de John KC6AKW

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: "John F. Woods" <jfw@jfwhome.funhouse.com>
Subject: [2914] Re: Source for crystals
Message-ID: <199508300406.AAA00347@jfwhome.funhouse.com>

> Any reliable sources that are't going to charge me \$40 to make
> custom crystals like the shop in CA?

The last time I had them made, Crystek and JAN were charging on the order of \$10 to \$12 for a custom crystal. ICM didn't charge quite \$40 a few years ago, though they were more than both JAN and Crystek.

(http://www.funhouse.com/jfw/RF_PARTS.txt)

JAN Crystals
2341 Crystal Drive
P.O. Box 06017
Fort Myers FL 33906-6017
+1-800-JAN-XTAL (Monday through Thursday)
+1-813-936-3750 (FAX)
+1-813-936-2397 (plant)
They make crystals. Minimum order is \$10, which might be one crystal, or might be two.

Crystek Corporation
2351/2371 Crystal Drive
P.O. Box 06135
Fort Myers FL 33906-6135
+1-800-237-3061 (M-F) (US and Canada but not Alaska and Hawaii)
+1-813-936-2109
+1-813-939-4226 (FAX)
They make crystals too. They were the cheapest last time I ordered, but I don't have an up-to-date price list. It took about 4 weeks, and they had said it would take 6.

ICM (International Crystal Manufacturing Co., Inc.)
701 W. Sheridan
PO Box 26330
Oklahoma City OK 73126-0330
+1-800-426-9825
More crystals. They were more expensive, but they have lots of pre-made crystals for various rigs, so they would probably be faster.

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [2907] Re: W1FB's 5 w amp & the SWL-40 (HELP)
Message-ID: <Pine.LNX.3.91.950829181423.20203A-100000@dt1.datatamers.com>

Fr Bowes,
I think the problem is in your antenna system, NOT your rig. The SWR you measure is looking into the antenna system.
72, Dave, W6EMD

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: greid@i-link.net (Glen Reid)
Subject: [2913] Re: W1FB's 5 w amp & the SWL-40 (HELP)
Message-ID: <9508300407.AA35837@echo.i-link.net>

>Fr Bowes,
>I think the problem is in your antenna system, NOT your rig. The SWR you
>measure is looking into the antenna system.
>72, Dave, W6EMD
>
>
>
>

I agree with Dave. I think this is an antenna problem.

I have had some experience with G5RV type antennas and my first shot would be to carefully alter the length of the twinlead section of the feedline (a couple of feet added or cut out) until it is a better match at the frequency of interest.

G5RV's can be a bit tricky and are often difficult to match to on a specific frequency. In the real world, 3 to 1 SWR may be the best you can do with a specific G5RV configuration on a particular frequency band.

By the way, a 3/1 SWR does not mean its not usable. Have you tried to work anyone?

Glen Reid K5HGB Austin

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: markem@primenet.com (Mark Monninger)

Subject: [2916] Re: W1FB's 5 w amp & the SWL-40 (HELP)
Message-ID: <199508300434.VAA29464@mailhost.primenet.com>

At 12:09 AM 8/30/95 EDT, Glen Reid wrote:

>I agree with Dave. I think this is an antenna problem.

>

>I have had some experience with G5RV type antennas and my first shot would
>be to carefully alter the length of the twinlead section of the feedline (a
>couple of feet added or cut out) until it is a better match at the frequency
>of interest.

> ...

My advice would be to dump the coax and bring the twinlead into the shack.
The G5RV is vastly over-rated as a multiband antenna. It was designed for
20m but if you use enough lossy coax you can get a good SWR on any band,
just like a dummy load. If you're gonna use a tuner anyway, get rid of the
coax...you'll be surprised how well it works then, but it won't be a G5RV
anymore.

73.... Mark AA7TA

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: Steven Wilson <randyw@crl.com>
Subject: [2922] Re: Which Iambic Key?
Message-ID: <Pine.SUN.3.91.950830072817.4281A-100000@crl6.crl.com>

Iambic keys - They all feel different. I collect so have several.
Once you get use to one and I do not think it makes much difference
which, you will enjoy using it. Pick one that you like it's looks
and then learn how to use it with the Iambic circuit. I prefer
Brown Bros, but that is the one I learn on...

You do have to learn how to use the keyer and key. Takes a little
practice so build up a side tone or make sure your keyer has one built
in to it.

My first ticket was w9ifz over 40 years ago, I find that if I am day
dreaming while sending that the old call gets mixed into the qso in
stead of my present call that I have had over 15 years. hi

But practice that is the answer. de stan ak0b

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)
Subject: [2923] Re: Which Iambic Key?
Message-ID: <199508301440.KAA12951@dartvax.dartmouth.edu>

Hello Mark, I like the Kent Paddles, very heavy and rock solid, made from a piece of machined brass. I tired the Vibroplex and they always need adjusting . I use the Kent exclusivly now. BTW, anybody want to by a set of Vibroplex paddles?

de AA1IK
Ernie

>I have been using a Speed-X straight key for 3 years and want to switch
>to paddles. I tried the Jones and Bencher but not the Vibroplex or the
>MFJ (Bencher Unit?). Is there much difference in these units? I am too
>inexperienced to tell. What seems to be the preference of the QRP-L crowd?
>I will be using the paddles with a CMOS III Superkeyer kit for both home
>and portable use.

>
>Any suggestions will be appreciated. Thanks.

>
>72, Mark N2VPK

>
>

de AA1IK (Lead by example, It is much easier)
(to pull a string than it is to push it.)
Ernie Gregoire ()
Canaan, NH. ()
(_____)

e-mail : GREGOIRE@VALLEY.NET
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: David Moody <MOODY@Admin.Rose-Hulman.Edu>
Subject: [2924] Re: Which Iambic Key?
Message-ID: <01HU0I0KZ24W8Y4YZD@Admin.Rose-Hulman.Edu>

>I have been using a Speed-X straight key for 3 years and want to switch
>to paddles. I tried the Jones and Bencher but not the Vibroplex or the
>MFJ (Bencher Unit?). Is there much difference in these units? I am too

>inexperienced to tell. What seems to be the preference of the QRP-L crowd?
>I will be using the paddles with a CMOS III Superkeyer kit for both home
>and portable use.

And a voice was heard in the distance, trolls, get yer trolls here. No
charge. :-)

My preference is to stick with a straight key. Works well, and for me,
only becomes very tiring at about 25 wpm, at which point my arm feels like
it is going to fall off. So, you keep your speed down to 20 or less. I
do wish I could get faster with the straight key though.

But you asked about paddles, so here is my opinion, humble that it is.
I personally like the Vibroplex Brass Racer. The magnets give it a solid
feel and fast action in the squeeze. The paddle height and spacing also
seem pretty good. I have played with a friends Jones, and found it to be
good, but I still didn't think that the action was that great. There is
not much difference between the Bencher and the MFJ. I did feel that they
felt, at least to me, a bit mushy. By really making the contact spacing
very tight, I was able to hide that feeling, but I didn't feel that I was
getting the tactile response that I wanted.

Again these are my feelings on these keys, and you may (and probably will)
like something different. The best way is to borrow one of these from a
friend, try it out for a few weeks, and maybe do the same with another one,
and so on, until you find the one that you really like best. You have to
be able to play around with the adjustments, so warn your friend before
you do this.

As with anything, your mileage will vary, tax, title, transportation, and
dealer prep not included, void where prohibited, employees, friends, near
and distant relatives of anybody inhabiting the planet Earth not eligible
to participate. Thank you.

My two milliwatts worth, and then some... ;-)
72, David Moody, KD8NY, Straight keys forever.

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David A. Moody           | E-mail: David.Moody@Rose-Hulman.edu  
Admin. Programmer/Analyst | Finger: mgrdam@crux.Rose-Hulman.edu  
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD  
Terre Haute, IN  USA  47803 | (VMS Rules!!! (but RSTS was fun.))  
Wk Ph:  812.877.8183      |  
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Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: <CBAILEY@PAMDT.ANG.AF.MIL> (MSgt Cameron C.R. Bailey)
Subject: [2930] re: Which Iambic Key?
Message-ID: <heH8+8F8FkA@PAMDT.ANG.AF.MIL>

I use and like the Bencher iambic keyer with my Super Keyer II.
Don't use it mobile, it falls apart when dropped on the floor of your car :^).

You will find that the key factor is which keyer emulation to use on the
Super Keyer III. Try out all keys and use the one that feels that best for
you.

72 de kt3a (still learning how to use a keyer).....took me 15 years to learn
a straight key ;^).

Cam Bailey
SOGNET LAN Administrator (Banyan)
211 Engineering Installation Squadron
Fort Indiantown Gap (Annville) PA
DSN: 491-8737 Comm: 717-861-8737 FAX: 8268

From qrp-1@lehigh.edu Wed Aug 30 19:44:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: [2933] Re: Which Iambic Key?
Message-ID: <Pine.SOL.3.91.950830152929.14083A-100000@clark.net>

On Wed, 30 Aug 1995 MSADAMS@ubvms.cc.buffalo.edu wrote:

> I have been using a Speed-X straight key for 3 years and want to switch
> to paddles. I tried the Jones and Bencher but not the Vibroplex or the
> MFJ (Bencher Unit?). Is there much difference in these units? I am too
> inexperienced to tell. What seems to be the preference of the QRP-L crowd?
> I will be using the paddles with a CMOS III Superkeyer kit for both home
> and portable use.
>
> Any suggestions will be appreciated. Thanks.

Mark,

I have recent bought a hand-made iambiac paddle made by Mike March,
WB4FJJ. They come in several versions with the same basic design with the
top of the line (\$150) having a solid brass base. The workmanship is

beautiful.

Mike uses magnet repulsion instead of springs and it is the smoothest feeling paddle I've tried. It makes the Bencher feel like a rusty hinge. (Well, maybe that's a bit of an exaggeration, but it does feel significantly better to me.)

Mike's address is 1415 Greystone Terrace, Winchester, VA 22601, 703-662-4279. I'm sure that he'll be happy to send info out to you. He will probably be at the Foundation for Amateur Radio's hamfest at Gaithersburg, MD, on September 10 also.

73,
Tony
K4KY0